

CLAIMS

Claim 1-10 (canceled)

Claim 11 (new)

What I claim as my invention is: Detectable automatic braking device for stopping traffic accident comprising sensor(s)/radar(s) or similarity being equipped in/on engine/motor vehicles, automobiles, cars, trucks, buses, vans, (high speed) trains, underground trains, tanks, motorcycles, airplanes, ships, helicopters, all moving transportations for front and rear detecting at specified distance to react based on the result of detection against obstruction detected by sensor(s)/radar(s) which conducts to switch automatic braking unit on to apply brake automatically to stop engine/motor vehicle, transportation running grounds, equipping with detection in/on all transportation driving, automatic water switch, automatic voice sound recorder, automatic lowering speed unit, automatic safety system, automatic releasing unit, detectable automatic braking unit(s)/motor(s), automatic braking ways, automatic brake pedal, lock device and necessary parts grounds, including:

- detection in/on all transportation driving wherein comprising sensor(s)/radar(s), infrared detecting lenses, electronic eyes, lighting/motion sensors, sensor video cameras or any other wire/wireless detectable devices in use having capacity to detect and respond by detected result against obstruction under its detecting zone by connected electric wire/wireless to switch on braking motor/unit automatically that automatic braking action being performed grounds,

- detection in/on all transportation driving wherein comprising sensors/radars or detectable devices having capacity for detecting both vehicle and human body, with facilities of anti-snow and against opposite vehicle light flashing, being equipped in front, at rear or elsewhere on/in engine/motor vehicle for front and rear detecting at specified distance and rear sensor(s)/radar(s) being connected through rear lamp switch to be switched on during backing that automatic braking motor/unit being connected in function grounds,

- automatic water switch wherein comprising second front sensor(s)/radar(s) or similarity being equipped for detecting at longer specified distance based on second front sensor/radar to be connected by raining water between electric wire of sensor/radar and that of automatic braking motor/unit, extinguishing connection by wind drying water in its box after raining over as lamp shown on indicator that car running on wet being stopped earlier grounds,

- automatic voice sound recorder/lowering speed unit wherein comprising third front sensor/radar or similarity based on being equipped in engine/ motor vehicle for detecting at the longest specified distance against obstruction, (1) connecting either sonorous signal lamp/recorded message on indicator to sound driver

for lowering vehicle speed at the earliest among other radars that automatic braking being averted grounds, of automatic voice sound, (2) connecting to a desirable second braking unit without lock to lower vehicle speed safely in which a revert timer/signal contact be equipped to switch off third sensor/radar letting cars approach closer during heavy traffic grounds, of automatic lowering speed,

- detection in/on all transportation driving wherein comprising extra sensors/radars or similarity based on being installed at right and left mirrors or somewhere of engine/motor vehicle for back detecting, connecting signal lamp to switch it on during turning, in case rear vehicle of right or left side being detected at a specified distance that sonorous signal lamp/voice recorder on indicator being connected to sound driver grounds,

- detection in/on all transportation driving wherein comprising small sensors/radars or similarity based on being installed at both sides of engine/motor vehicle for detecting extremely approaching running vehicles, connecting to color signal lamps that right or left side under detection being shown on indicator grounds,

- automatic safety system wherein comprising sonorous color signal lamp/recorded message sounding to driver while entire braking system being "off" connected in function by a driver's contact, a thermostat being installed to disconnect sonorous color signal lamp/recorded message in winter snow grounds,

- automatic releasing unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting both functioning of motor braking and pressing button standby of mini-motor which rotating to draw by cable or similarity to unlock lock device resulting from earlier pressing action releasing the brake automatically just after radar(s) detecting free grounds, or driver's button drawn manually to switch motor on rotating to release the brake grounds,

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor rotating triangle wheel to its edge point pressing at the opposite side of upper pedal to brake, motor turned off by switch and braking locked by (1) iron switches of motor to its inner triangle wheel, (2) lock device of motor to bracket arm of triangle wheel in Duo, brake released by driver's button switch and pulling wheel by spring force or by either rewind spring or double spinning motor at back spin in Duo, of triangle wheel structure grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, its axis fixing between center and rim of a round wheel, rotating at wheel summit pushing on pedal part to brake, motor turned off by switch and braking locked by lock device of motor to bracket arm of wheel/lock to inner wheel, brake released by driver's button contact and (1) rewind spring or using double spinning motor at back spin in Duo-A or (2) pulling wheel by spring force, of round wheel structure Duo-a grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor rotating; its toothed spindle engaging through gear-nut of frame screwing out pressing on pedal part to brake, motor turned off by switch and braking locked by lock device, released by driver's button switch and slotted spindle spring force or spring linked to frame, of screw & unscrew structure Duo-B grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, its axis engaging a tube outlet of frame with grooved end part rotated by a gear of motor, moving axis pressing on pedal part to brake, motor turned off by switch and braking locked to axis by lock device, released by driver's button switch and rewind spring/spring force, of axis-gear structure Duo-C grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting brake motor, its axis fixing between center and rim of a round wheel rotating with connecting rod, pressing to an extra outlet built from brake original booster/master cylinder to brake, motor turned off by switch and braking locked to connecting rod by lock device, released by driver's button using revert spring force at back spin, of extra outlet structure Duo-D grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting oscillator moving the frame where an extra outlet with hose, connecting rod kit in air releasing spring unit rotating a wheel centered to ball bearing of moving frame, connecting to press on a rubber outer/cover wheel manufactured as a part of double pulley rotated by car engine to brake, braking locked by lock device, disconnecting to be released by driver's contact, of moving frame structure Duo-E grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting motor to drive a rectangular bracket between two springs whose both ends linking motor frame to a bar holding a pin moving in frame cavity, pressing on pedal part to brake, motor turned off by switch and braking locked to bar by lock device, released by driver's button switch and spring force, of bracket drive structure Duo-F grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting motor to rotate its bar pressing on pedal part to brake, motor turned off by switch and inner wheel locked by lock device inside motor during braking, released by driver's button switch and rewind spring, of direct spin structure Duo-G grounds, and/or

- automatic braking unit wherein once obstruction being detected, comprising sensor(s)/radar(s) or detectable device(s) automatically reacting motor to rotate its oval/hexagonal wheel pressing on pedal part to brake, motor turned off by switch and braking locked wheel/inner motor wheel by lock device during braking, released by

driver's button switch and rewind spring, of oval & hexagonal wheel structures Duo-H, I grounds, and/or any other structure in operation to same/similar effect,

- automatic braking ways wherein comprising automatic braking by force of appropriate motor with supporting springs at specific moving position, compressed air/wind force, spring force, using energy, air hydraulic/oxygen unit, air/liquid pump, cylinder as nut & piston as bolt with induction coils, equipment, instrument having braking effect and/or any others, any other structures, braking objects to the same effect grounds, releasing brake comprising as well by rewind spring, spring, motor, double rotating motor at return spin grounds,

- automatic brake pedals wherein comprising using new pedal/upper pedal part being prolonged having rubber boot, safety cover or automatic braking pedal in which a same axis for movement of both automatic and vehicle brake pedals without causing movement of each other, automatic braking effect by pressing/pulling/against extra brake outlet, any others grounds,

- lock device wherein comprising a spring pushing a bar through frame outlet in device, outer part of bar for locking bracket (of wheel) approaching over it to be blockaded therein by spring force, end part of bar being fixed with a cable through inner spring from device to either mini-motor or driver's contact by drawing for releasing brake grounds.

Claim 12 (new)

What I claim as my invention is: Automatic traffic stop lamp device comprising lamp(s)/bulb(s) based on being equipped on traffic signal or in area nearby, its beam flashing at lighting zone limit on red at a position to focus on and reacting the function of Detectable automatic braking devices of all front engine/motor vehicles approaching to stop without surpassing grounds.

Claim 13 (new)

What I claim as my invention is: Detectable automatic braking device referring to claim 11 and invention(s) in these documents including the origin, basis of inventing, using, original idea, grounds, composition, function, structures, process of making, contents, illustrations, connection, extension, combination, operation, installation, production, selling/offering for sale the invention products, addition/reduction part/unit of the invention, necessary parts, using any energy for functioning, any material(s) for making, any other structures, modifications, replacement of parts, of facilities being assembled for performing the same/similar devices referring to the original fundamentals of the invention(s) grounds to the same/similar effect, equipment/instrument carried by driver/sailor/pilot/others in transportation functioning the invention and combining the invention with any other

entities, devices, equipments, instruments, objects or systems under other names are in the scope of the protection of the invention, using the invention everywhere.